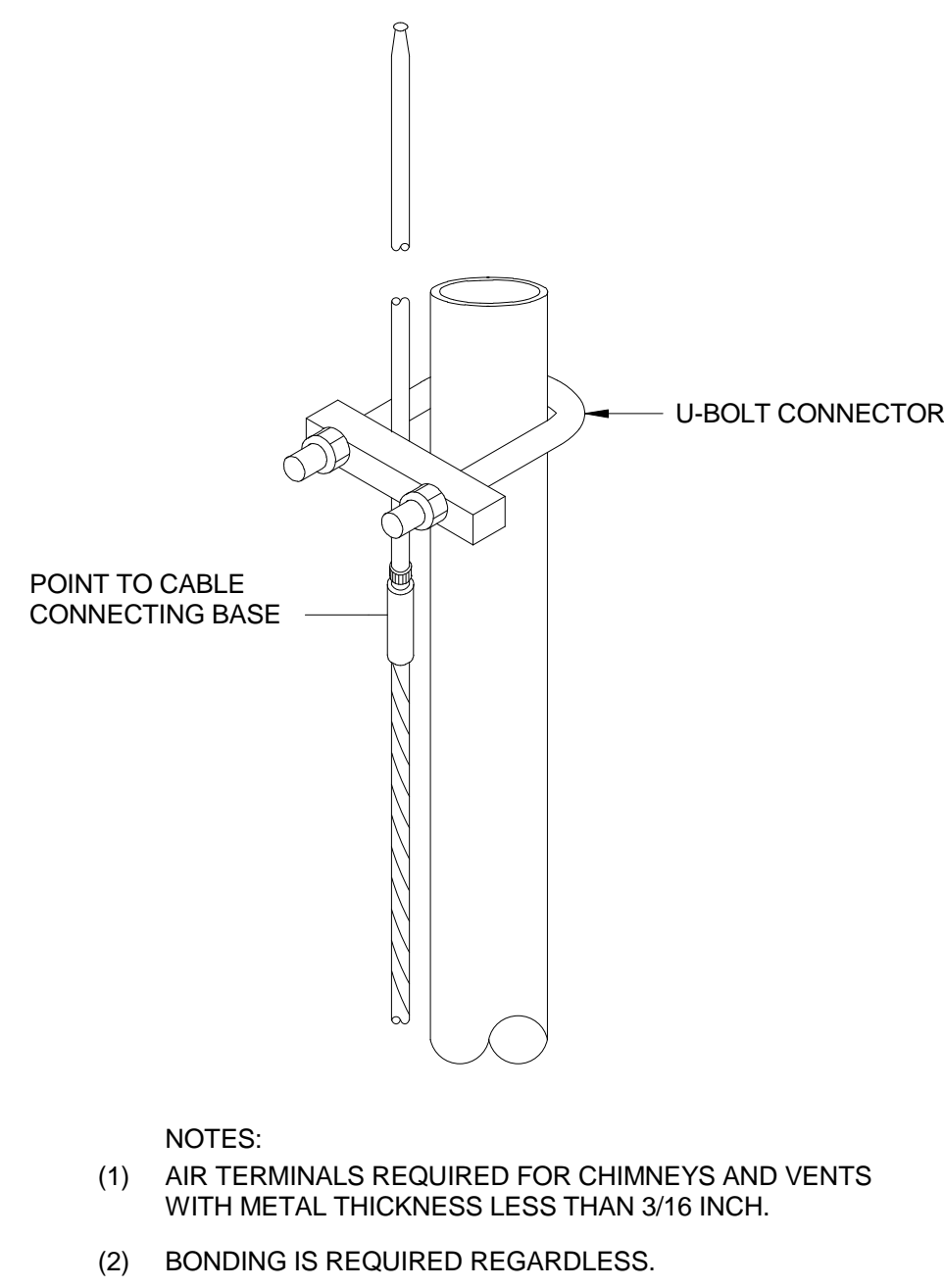
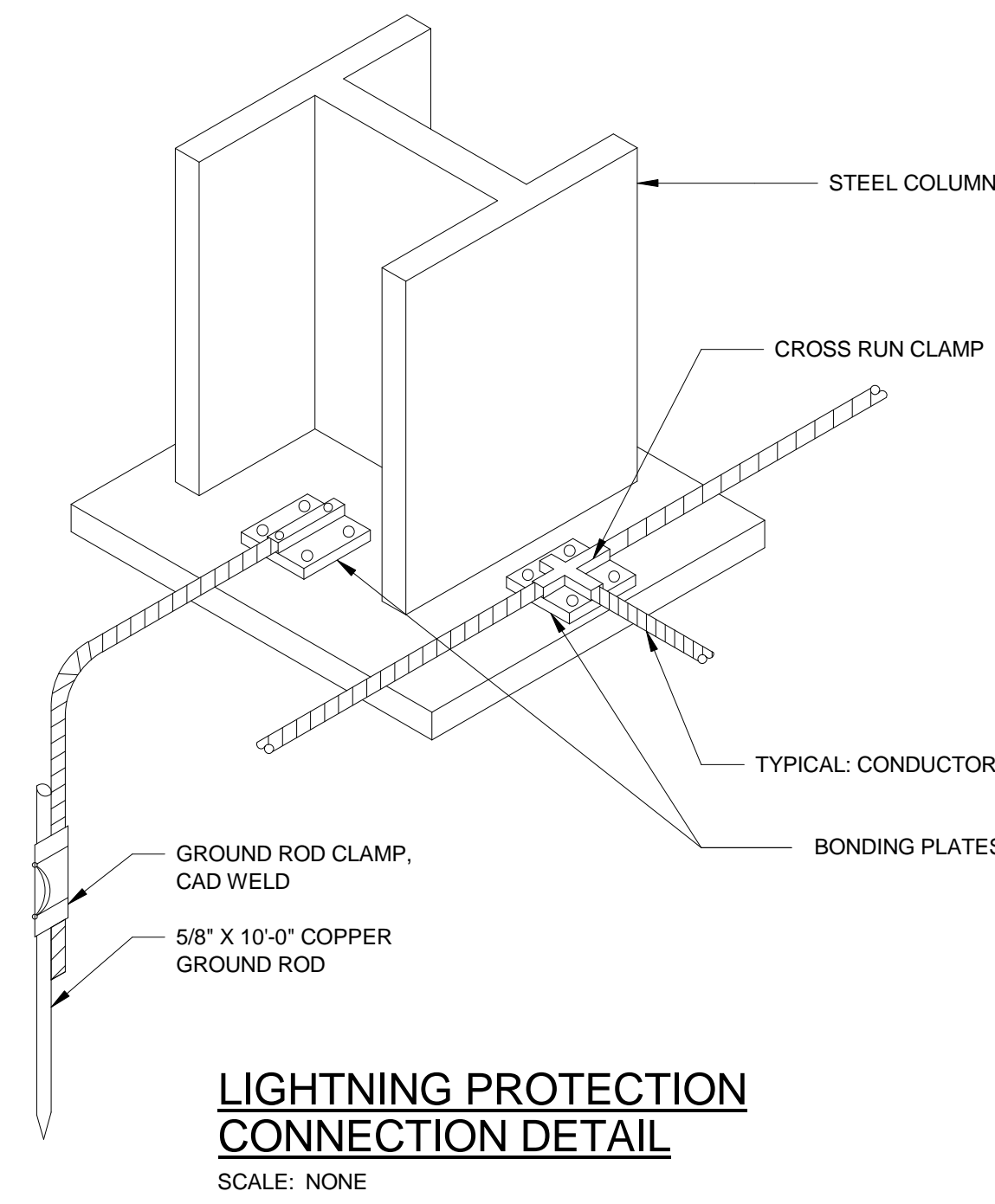


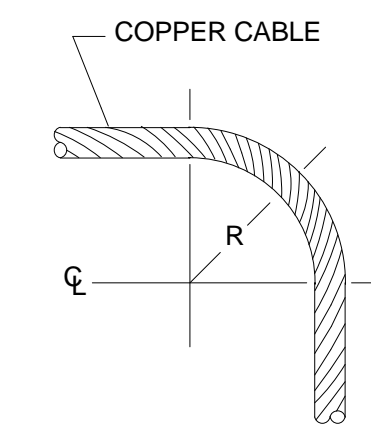
10 LIGHTNING PROTECTION BONDING EQUIPMENT
SCALE: NONE



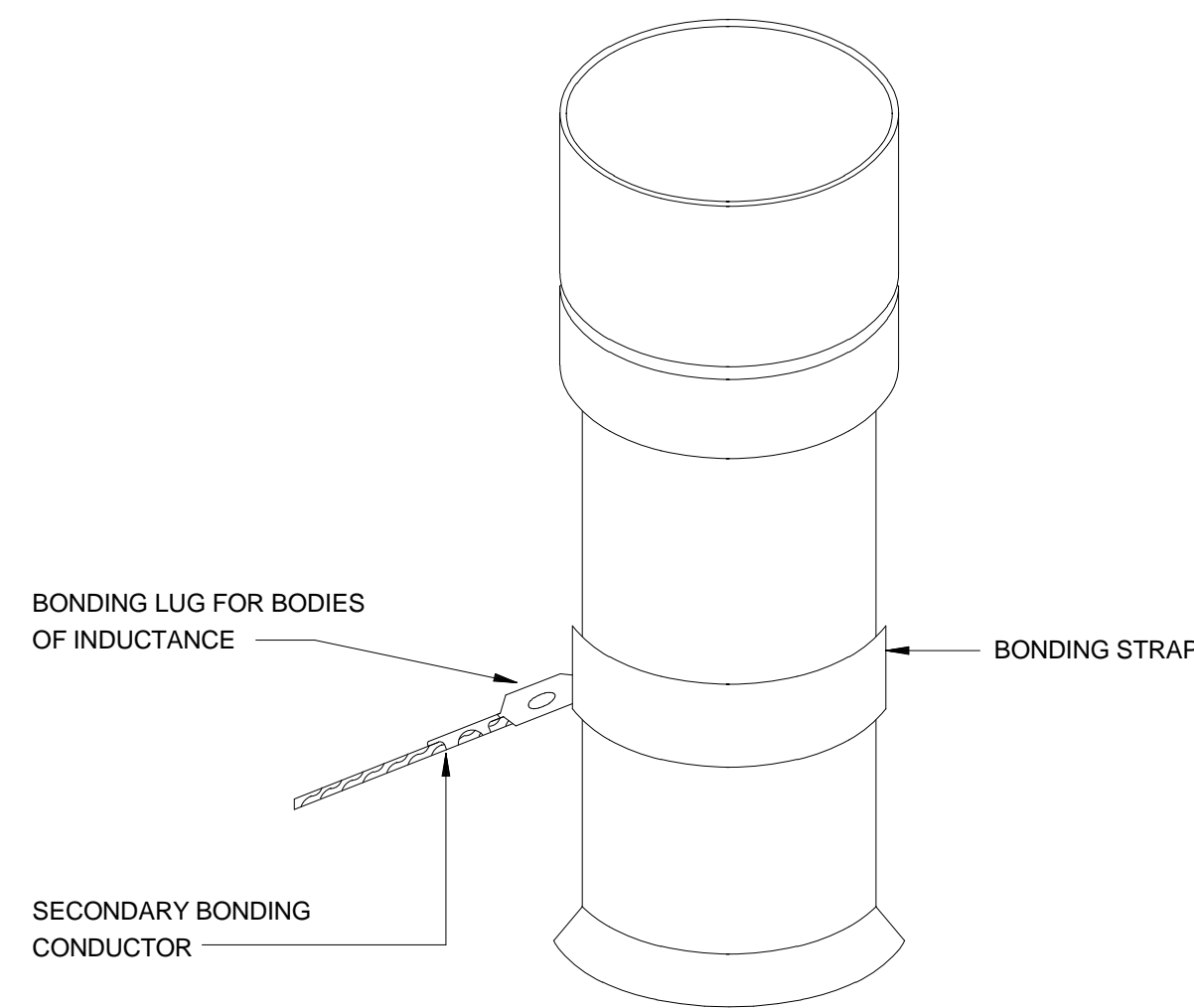
7 LIGHTNING PROTECTION AIR TERMINAL FOR PLUMBING VENT
SCALE: NONE



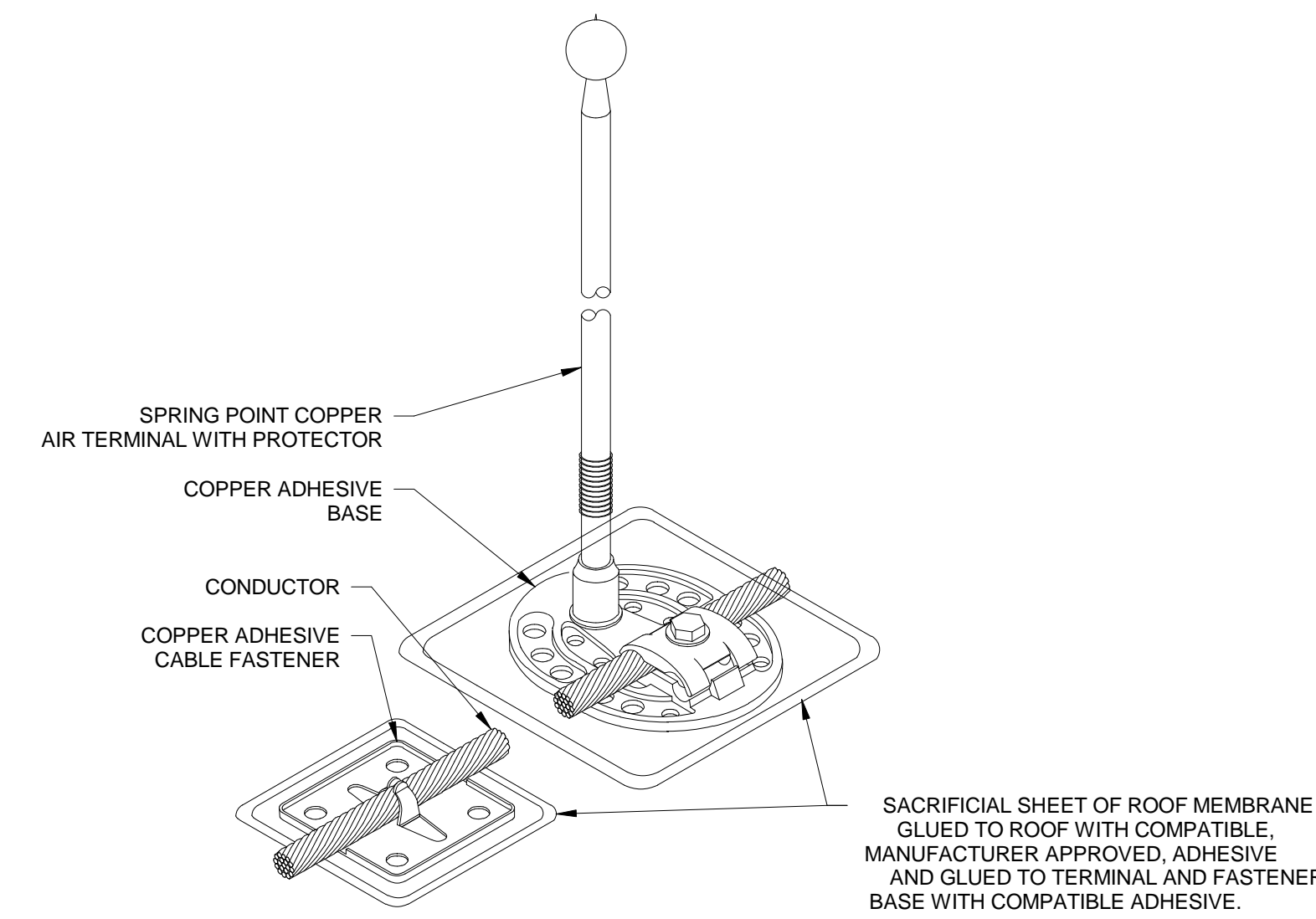
4 LIGHTNING PROTECTION CONNECTION DETAIL
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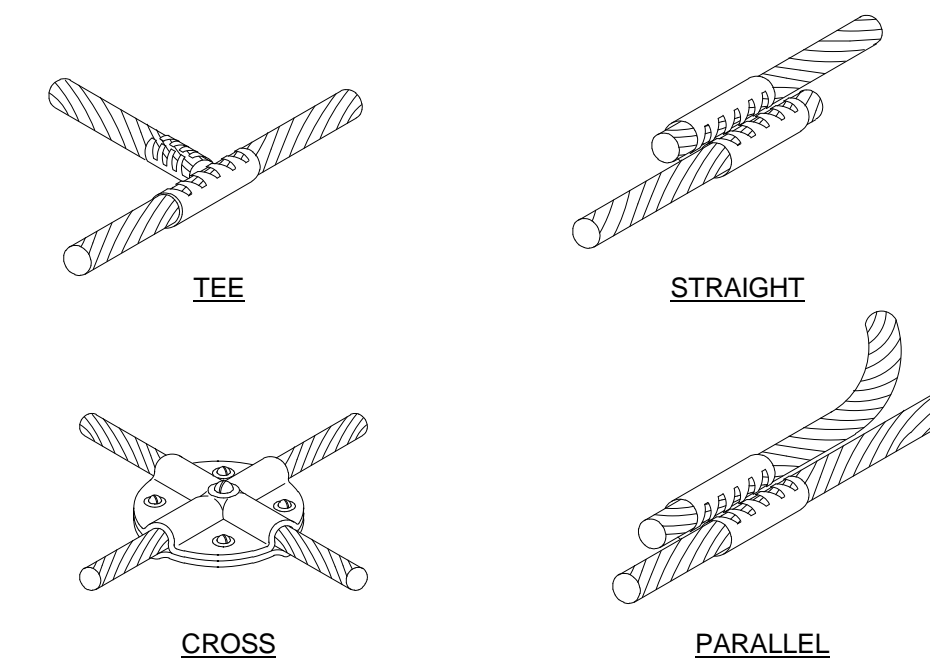
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SCALE: NONE



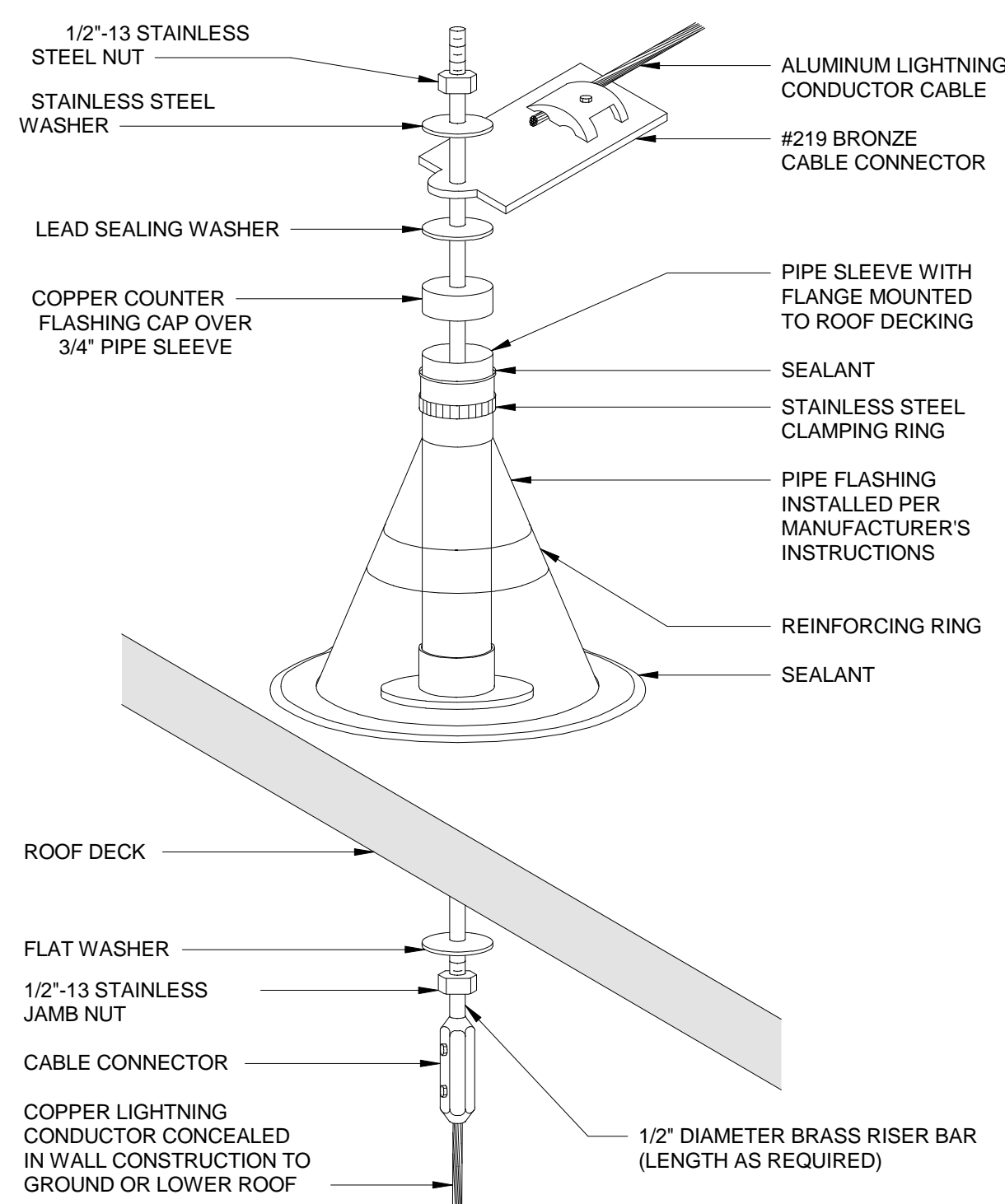
8 LIGHTNING PROTECTION TYPICAL BONDING DETAIL FOR METALLIC PLUMBING VENT
SCALE: NONE



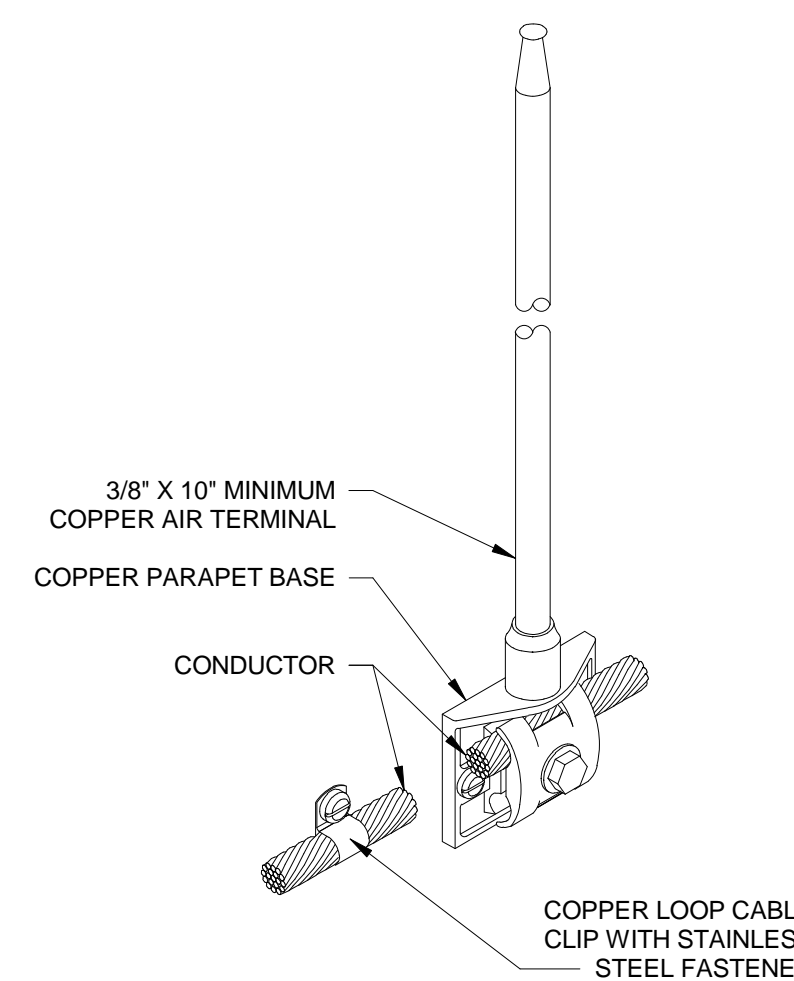
5 LIGHTNING PROTECTION ADHESIVE AIR TERMINAL BASE
SCALE: NONE



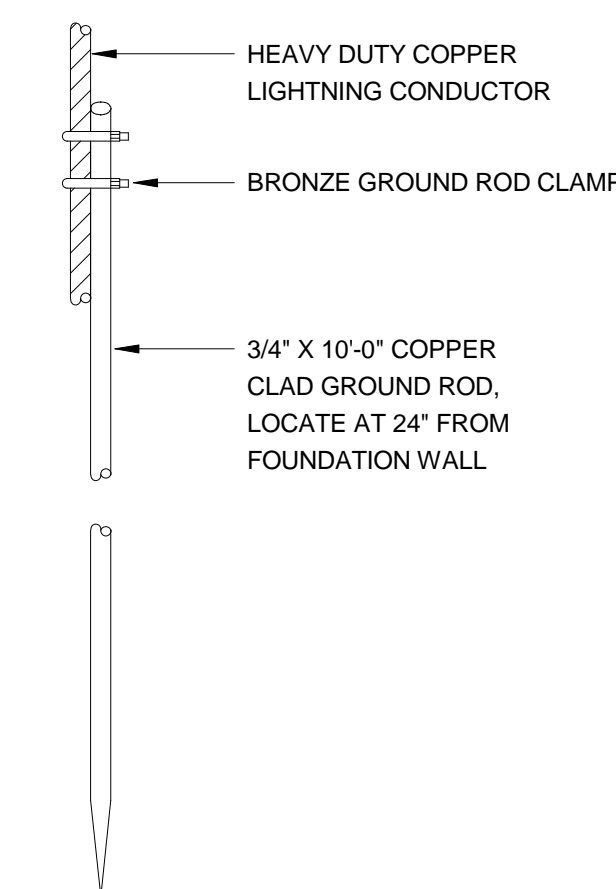
2 LIGHTNING PROTECTION CABLE SPLICES
SCALE: NONE



9 LIGHTNING PROTECTION THROUGH ROOF DETAIL
SCALE: NONE



6 LIGHTNING PROTECTION PARAPET AIR TERMINAL BASE
SCALE: NONE



3 LIGHTNING PROTECTION GROUND ROD
SCALE: NONE

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SEALS AND SIGNATURES



ISSUED FOR CONSTRUCTION 07/03/12

REV. NO. DESCRIPTION BY APVD DATE

Argonne

FMS
Facilities Management Services

PROJECT TITLE ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO 08541-00

DRAWING TITLE

ELECTRICAL DETAILS

DESIGNED DLW A/E CADD FILE E8.0.2 FACILITY NO(S)

DRAWN DLW A/E DWG. NO. E8.0.2

CHECKED BRB CAD NO.

PROJECT MANAGER DWG STATE

ANL - JESSE ADAMS DATE - 11/07/11 BND ORDER

FACILITY DOCUMENT NUMBER REV. NO.

J446-101-W- E8.0.2